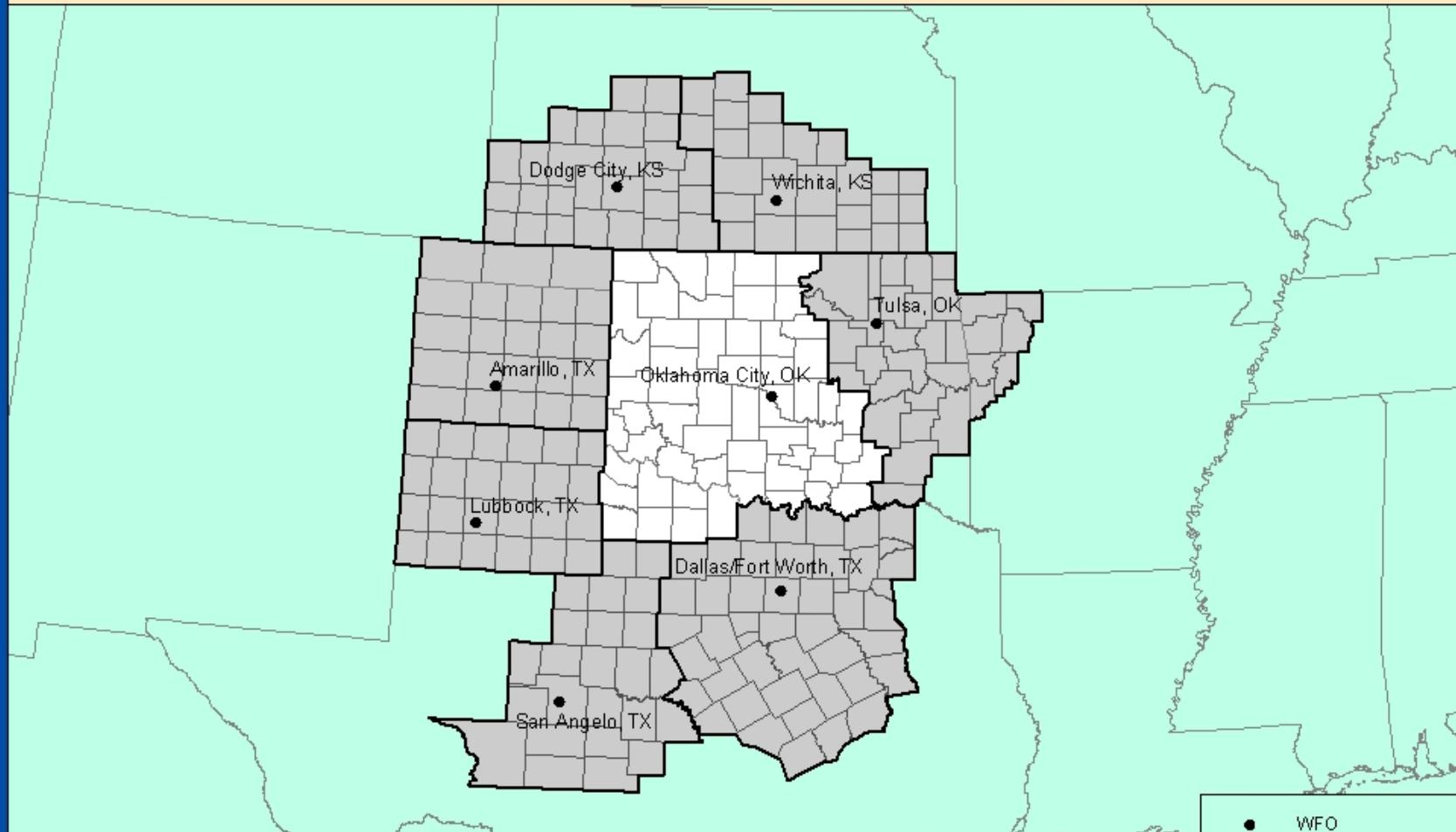


LAPS Use at WFO Norman

Matt Foster
U.S. National Weather Service
Norman, Oklahoma

OKLAHOMA CITY, OKLAHOMA COUNTY WARNING FORECAST AREA



NATIONAL WEATHER SERVICE
SOUTHERN REGION

NOVEMBER 2003
MIRS GIS GROUP

- WFO
- Surrounding CWFA
- CWFA

Three Primary Uses

- Forecaster use in D2D
- Situational Awareness Display System (SADS)
- WRF Model Initialization

Forecaster Use in D2D

- Preferred OA of most forecasters at OUN
- Rough estimate of 165 D2D bundles
- Heavy use in convective, winter and wildfire

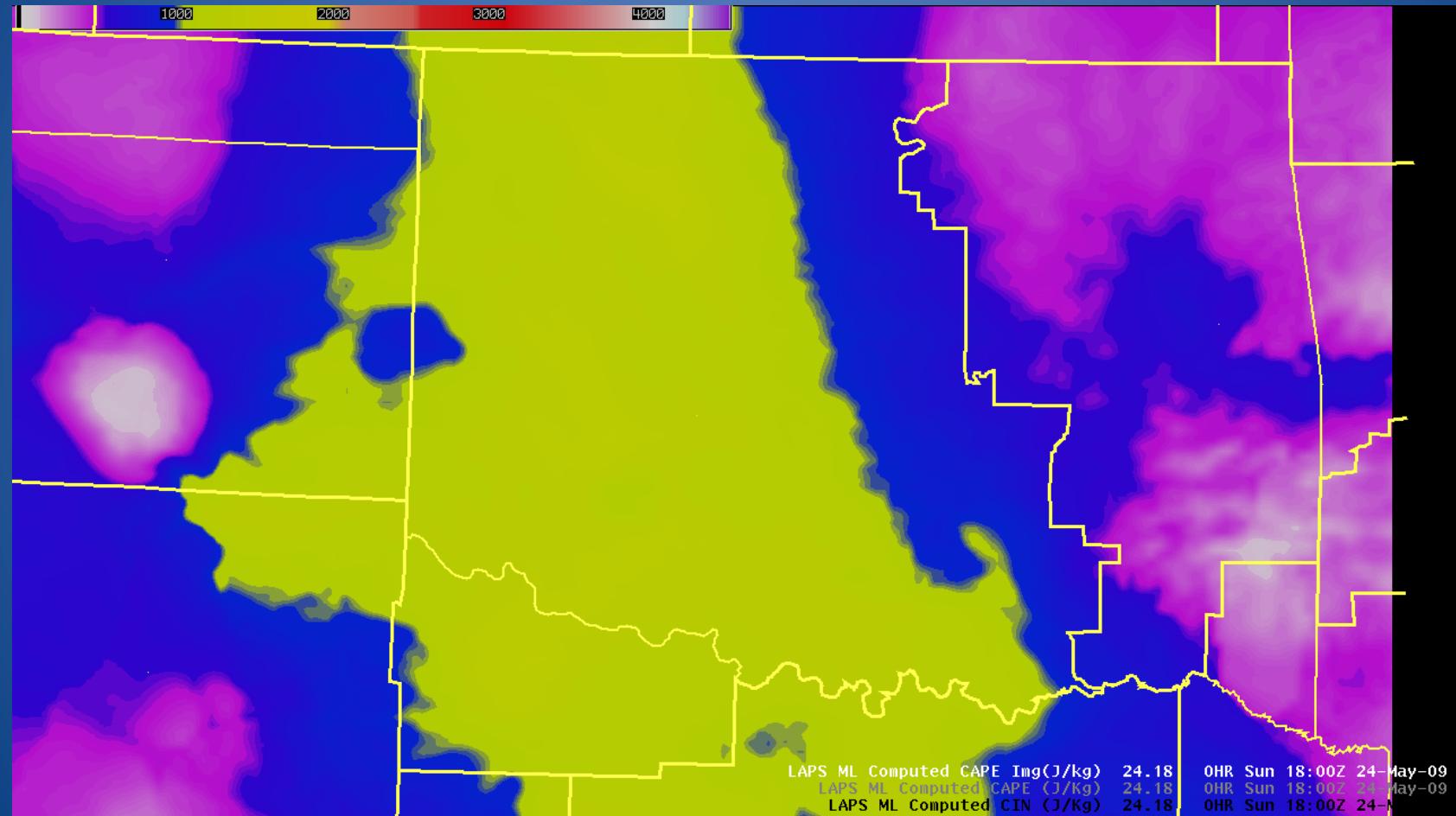
Situational Awareness Display System



Situational Awareness Display System



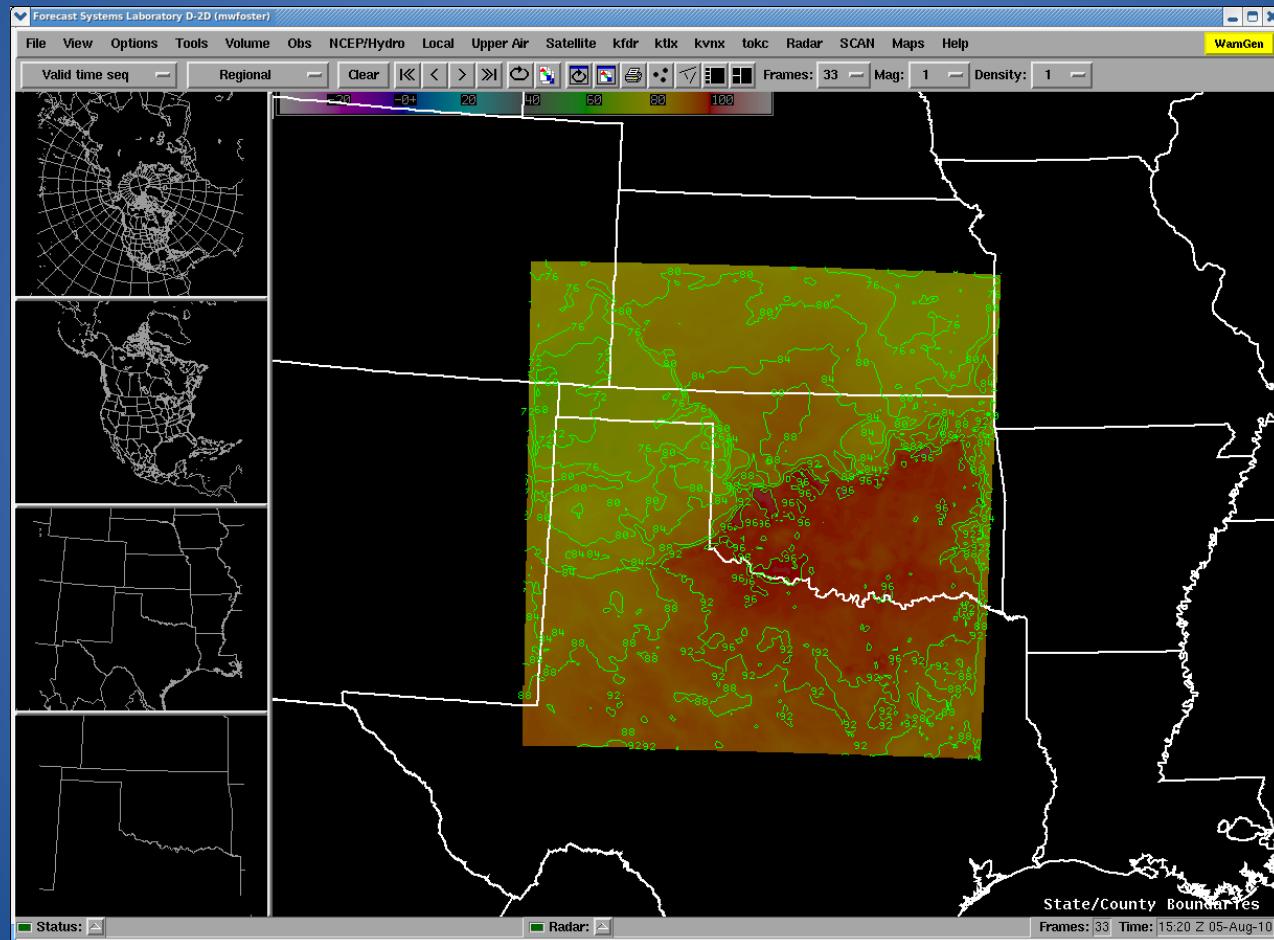
LAPS on SADS



LAPS on SADS

- Use standalone IGC_Process to create images
- Animated GIF shows multiple parameters
- Capability for user-defined images
- Clearly delineate areas of interest
- Not absolutely necessary to know the parameter displayed

WRF Model Initialization



WRF Model Initialization

- Use “Research” version of LAPS (i.e. recent)
- 5 km resolution
- Runs external to AWIPS
- “Basic” datasets from AWIPS via rsync to LDAD
- Ingests 27 WSR-88D radars
- Use Level II WSR-88D data from NSSL
- RUC13 background
- Hot start

Research LAPS Domain

